Participant Questionnaire

Participant number: <u>13</u>	_		ι	Date: 7/4/2023
Location: <u>Brescia</u>	IT			
HRC Study / Algorithms tested		STAF	P-PPF	
Study Conducted by:	- 1			
,				
				-
Participant link lengths/dimension	ons: (meters , "spine" is	pelvis to shoulder	midpoint, "shoulders	s" is shoulder to shoulder)
Spine	Left Upper Arm	.35	Right Upper Arm	.37
Shoulders 32	Left Forearm	. 2 8	Right Forearm	.03
Participant joint diameter: (met	ers)			
Left Elbow .09	Right Elbow	.085		
Left Wrist 063	Right Wrist	063		

Questions:

- A. How safe did you feel? (0 is not safe at all, 5 is neutral, 10 is very safe)
- B. Do you think the robot hindered your motions during the task? (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)
- C. Did the robot perform logical motions? (0 is robot motions made no sense to you, 5 is neutral, 10 is robot motions made sense to you)
- D. What is your overall satisfaction with the HRC task? (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)

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For Task 1 (engine parts): (circle your answer to each question)

Task 1, Me	ethod 1:									2
Question	A: (0 is not	safe at all, 5	is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	7	(8)	9	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is i	neutral, 10 i	s robot did	not imped	e you motic	on)
0	1	2	3	4	5	6	7	8	9	(10)
Question	C: (0 is rob	ot motions i	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sens	e to you)	•
0	1	2	3	4	5	6	(7)	8	9	10
Question D	: (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral	, 10 is you en	joyed work	ing in this cel	I with the ro	bot)
0	1	2	3	4	5	6	7	8	9	10

Task 1, M	ethod 2:									7
		safe at all,	5 is neutra	l. 10 is verv	safe)					
0	1		3	1	5	6	7	8	9	10
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	otions, 5 is r	neutral, 10	is robot did	not impede	you motic	on)
0	1	2	3	4	5	6	7	(8)	9	10
Question	C: (0 is rob	ot motions	made no s	ense to you	ı, 5 is neutr	al, 10 is rob	ot motions	made sense	e to you)	
0	1	2	3	4	5	(6)	7	8	9	10
Question [D: (0 is you w	ould not wo	rk in this HF	RC cell again	, 5 is neutral,	10 is you e	njoyed worki	ng in this cell	with the ro	bot)
0	1	2	3	4	5	6	7	8	9	10

Task 1, Me	ethod 3:									1
Question	Question A: (0 is not safe at all, 5 is neutral, 10 is very safe)									
0	1	2	3	4	5	6	7	8	9	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is r	neutral, 10 i	is robot did	not impede	e you moti	on)
0	1	2	3	4	5	6	7	8	9	(10)
Question	C: (0 is rob	ot motions r	nade no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sens	e to you)	\circ
0	1	2	3	4	5	6	\bigcirc	8	9	10
Question D	: (0 is you w	ould not wor	k in this HR	C cell again,	5 is neutral,	, 10 is you er	njoyed worki	ng in this cel	I with the ro	bot)
, , O	1	2	3	4	5	6	7	8	(9)	10

Comments:

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For Task 2 (Sharework parts: metal tabs, cylinders, pallets): (circle your answer to each question)

Task 2, Me	ethod 1:		The state of the s				a water a constant)	2
Question	A: (0 is not	safe at all, !	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	7	(8)	9	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	itions, 5 is r	eutral, 10 i	s robot die	d not impede	e you motic	on)
0	1	2	3	4	5	6	7	(8)	9	10
Question	C: (0 is rob	ot motions i	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motion	s made sens	e to you)	
0	1	2	3	4	5	6	7	8	(9)	10
Question D	: (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you en	joyed work	ing in this cel	I with the ro	bot)
0	1	2	3	4	5	6	7	8	9	10

Task 2, Me	ethod 2:									3
Question	A: (0 is not	safe at all,	5 is neutra	, 10 is very	safe)					
0	1	2	3	4	5	6	7	8	9	10
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	tions, 5 is r	neutral, 10 i	s robot did	not imped	e you motic	n)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	
О	1	2	3	4	5	6	7	(8)	9	10
Question D	: (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you en	joyed work	ing in this cel	I with the ro	bot)
0	1	2	3	4	5	6	7	8	(9)	10

Task 2, Me	ethod 3:					27/2	U. No. Brokelino	person and the purpose of the contract of the		t
Question A: (0 is not safe at all, 5 is neutral, 10 is very safe)										
0	1	2	3	4	5	6	7	8	(9)	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	otions, 5 is r	neutral, 10 i	is robot did	not imped	le you motic	on)
0	1	2	3	4	5	6	7	8	9	(10)
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sens	se to you)	
0	1	2	3	4	5	6	7	8	(9)	10
Question D	: (0 is you v	would not wo	k in this HR	C cell again,	5 is neutral,	10 is you er	njoyed worki	ng in this ce	ll with the ro	bot)
0	1	2	3	4	5	6	7	8	9	10

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